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Part Number:

0760485001

Status:

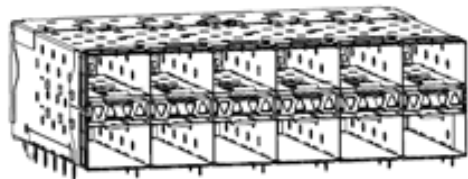
Active

Overview:

sfp_stacked_multiport_connectors

Description:

Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-6 Multi-Port Connector with 4 Lightpipe Ports, EMI Metal Gasket, 240 Circuits, Tin (Sn) Tails



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Application Specification \(PDF\)](#)
- [Product Specification PS-75310-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	76048
Application	Module-to-Board
Component Type	Receptacle
Overview	sfp_stacked_multiport_connectors
Product Name	SFP Plus
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	240
Circuits (maximum)	240
Circuits Detail	240
Color - Resin	Black, Clear (Blue Tint)
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic, Polycarbonate
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.081 In
PC Tail Length (mm)	2.07 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.031 In
Pitch - Mating Interface (mm)	0.80 mm
Pitch - Term. Interface (in)	0.031 In
Pitch - Term. Interface (mm)	0.80 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	30.4

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
76048Series

Use With
0759510999 SFP Dust Plug,

Application Tooling | FAQ
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Description	Product #
SFP Insertion Tool, x 6	20622029925
SFP Stacked Multi-Port Extraction Tool, 2 by 6	0622029950

Plating min: Termination (µm)	0.76
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	12
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shield Type	EMI Gasket
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

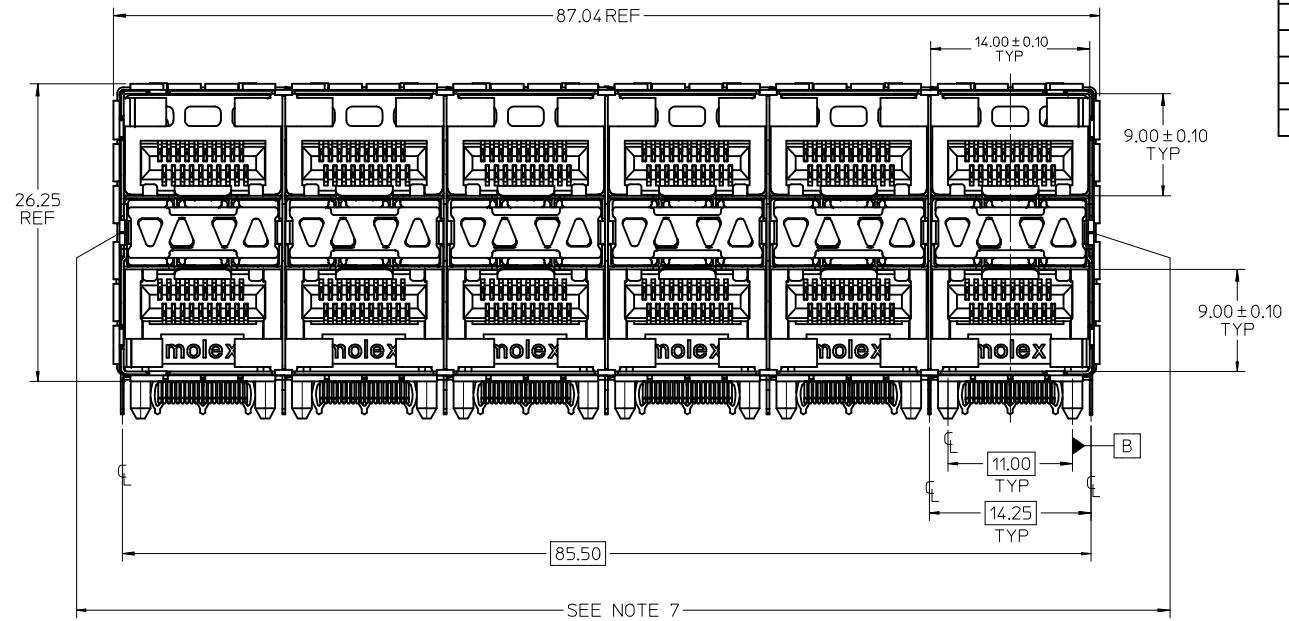
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-75451-001
Product Specification	PS-75310-001
Sales Drawing	SD-76048-001
Test Summary	TS-75310-001

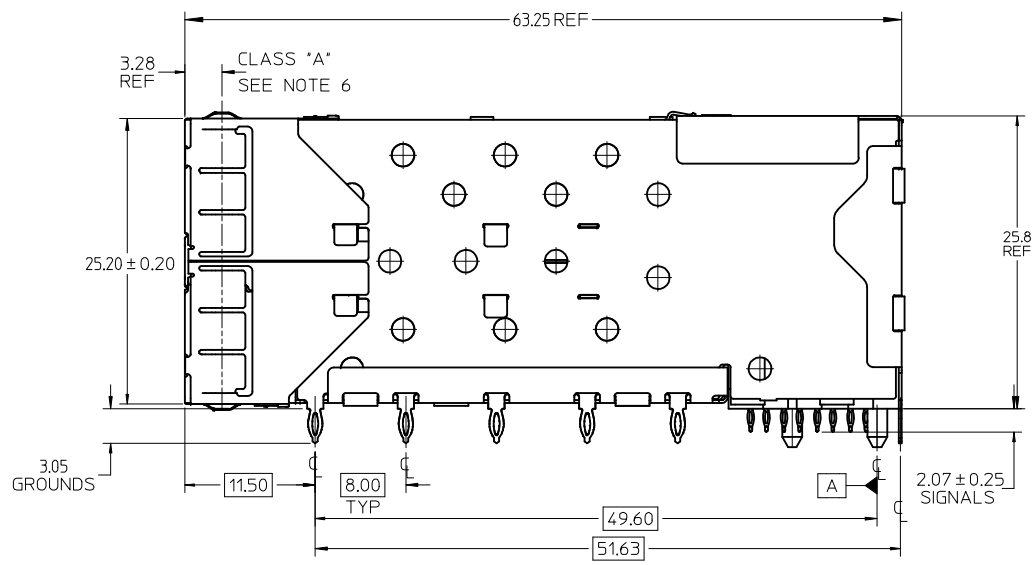
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PART NUMBER	DESCRIPTION	VIEW	COMPLIANT TAIL PLATING
760480001	4 LIGHT PORTS	SEE PG 2	TIN / LEAD
760480002	INNER 2 PORTS	SEE PG 2	TIN / LEAD
760480003	OUTER 2 PORTS	SEE PG 2	TIN / LEAD
760485001	4 LIGHT PORTS	SEE PG 2	TIN
760485002	INNER 2 PORTS	SEE PG 2	TIN
760485003	OUTER 2 PORTS	SEE PG 2	TIN

- NOTES:
- MATERIAL:
CAGE: NICKEL SILVER, THICKNESS: 0.25mm
EMI GASKET: PHOS-BRONZE
CONNECTOR HOUSING: GLASS FILLED THERMOPLASTIC, UL: 94 V-0, COLOR: BLACK
OVERMOLD TERMINAL HOUSING: GLASS FILLED THERMOPLASTIC, UL: 94 V-0, COLOR: BLACK
TERMINALS: BRASS
LIGHT PIPE: POLYCARBONATE UL 94 V-0, COLOR CLEAR
LIGHT PIPE HOUSING: ZINC
 - FINISH
TERMINALS:
CONTACT AREA: 0.76 MICRONS MIN. HARD GOLD
OVER 1.27 MICRONS MIN. NICKEL.
COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 1.52 MICRONS 90/10 TIN/LEAD
OVER 0.76 - 1.52 MICRONS NICKEL
COMPLIANT TAIL - TIN OPTION: 0.76 - 1.52 MICRONS TIN
OVER 0.76 - 1.52 MICRONS NICKEL
EMI GASKET: 2.54 MICRONS NICKEL OVERALL
LIGHT PIPE HOUSING: 150 MICRONS NICKEL OVER 150 MICRONS COPPER
 - REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
 - LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW-PROFILE LED PACKAGE FOR OTHER RECOMMENDED LAYOUTS REFER TO MOLEX'S REPORT TS-75310-001.
 - REFER TO PK-75451-001 FOR ALL PACKAGING SPECIFICATIONS.
 - ALL EXTERIOR SURFACES TO BE CLASS 'B' SURFACES EXCEPT THE UNDER SIDE OF THE CAGE WHERE THE PCB WOULD BE LOCATED AND AS NOTED. THE SURFACES TO CONFORM TO THE MOLEX COSMETIC DOC PS-45499-002.
 - THE OVERALL CAGE WIDTH AT THE VERTICAL CENTER OF THE FRONT EDGE WILL FALL WITHIN THIS DIMENSION: 86.30+/-0.30 MM. THIS PORTION OF THE CAGE WILL FLEX INWARD AS THE CAGE IS BEING INSERTED INTO THE BEZEL OPENING.



ADD NOTE 7/KEEPOUT'S

EC NO: UCP2009-1582

DRWN:MS BARA 2009/01/07

CHKD:BBARKER 2009/01/09

APPR:SMILLER 2009/01/12

REV

DESCRIPTION

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---

ANGULAR ± 5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

MSANDBERG

DATE

09/28/2006

CHECKED BY

JLONG

DATE

09/28/2006

APPROVED BY

KREGNIER

DATE

09/28/2006

MATERIAL NO.

SEE TABLE

SIZE

C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE

3:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

STACKED SFP+ 2X6 ASSY WITH METAL EMI GASKET AND LIGHTPIPES

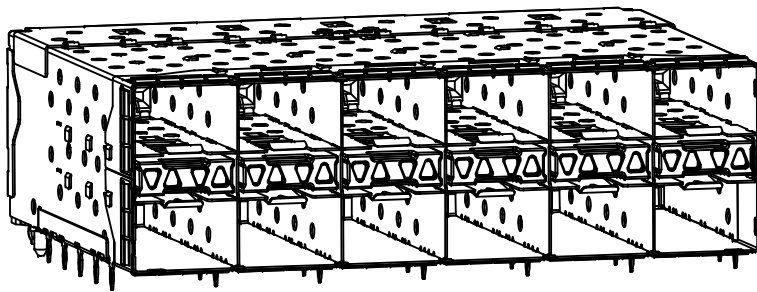
MOLEX INCORPORATED

DOCUMENT NO.

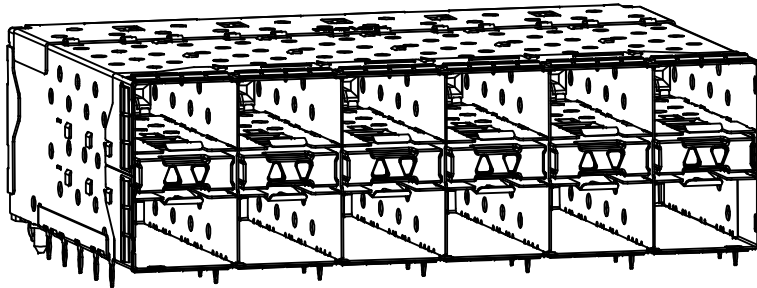
SD-76048-001

SHEET NO.

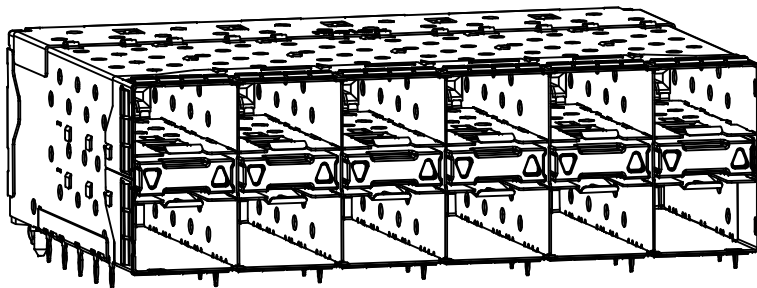
1 OF 4



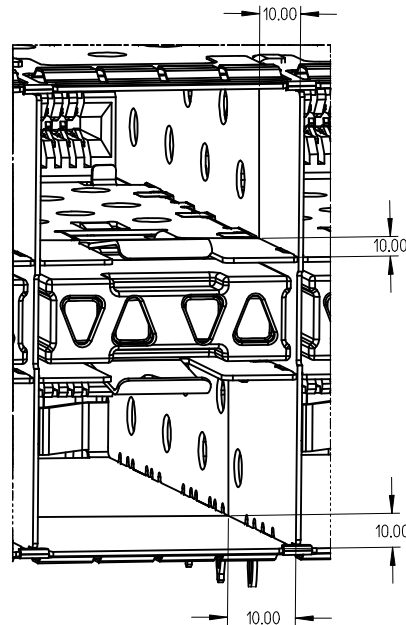
760480001 AND 760485001
WITH INNER AND OUTER LIGHT PIPES



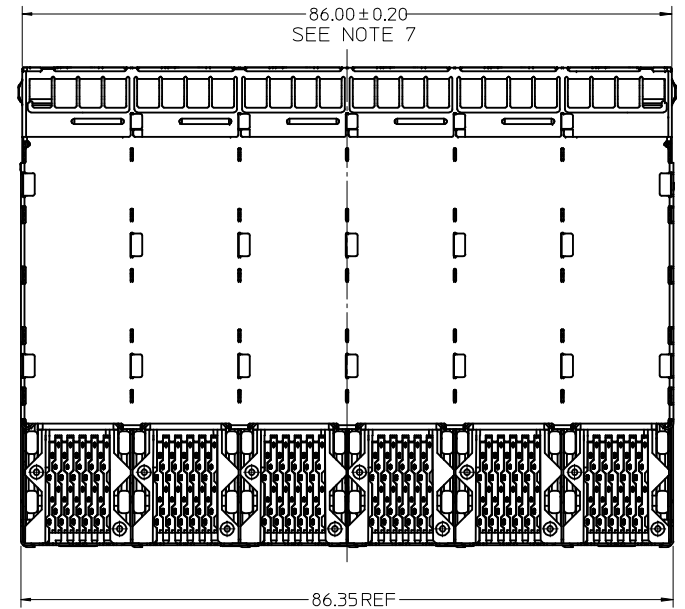
760480002 AND 760485002
WITH INNER LIGHT PIPES



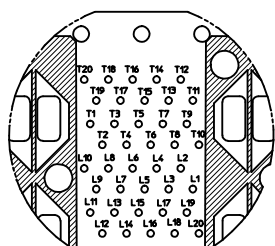
760480003 AND 760485003
WITH OUTER LIGHT PIPES



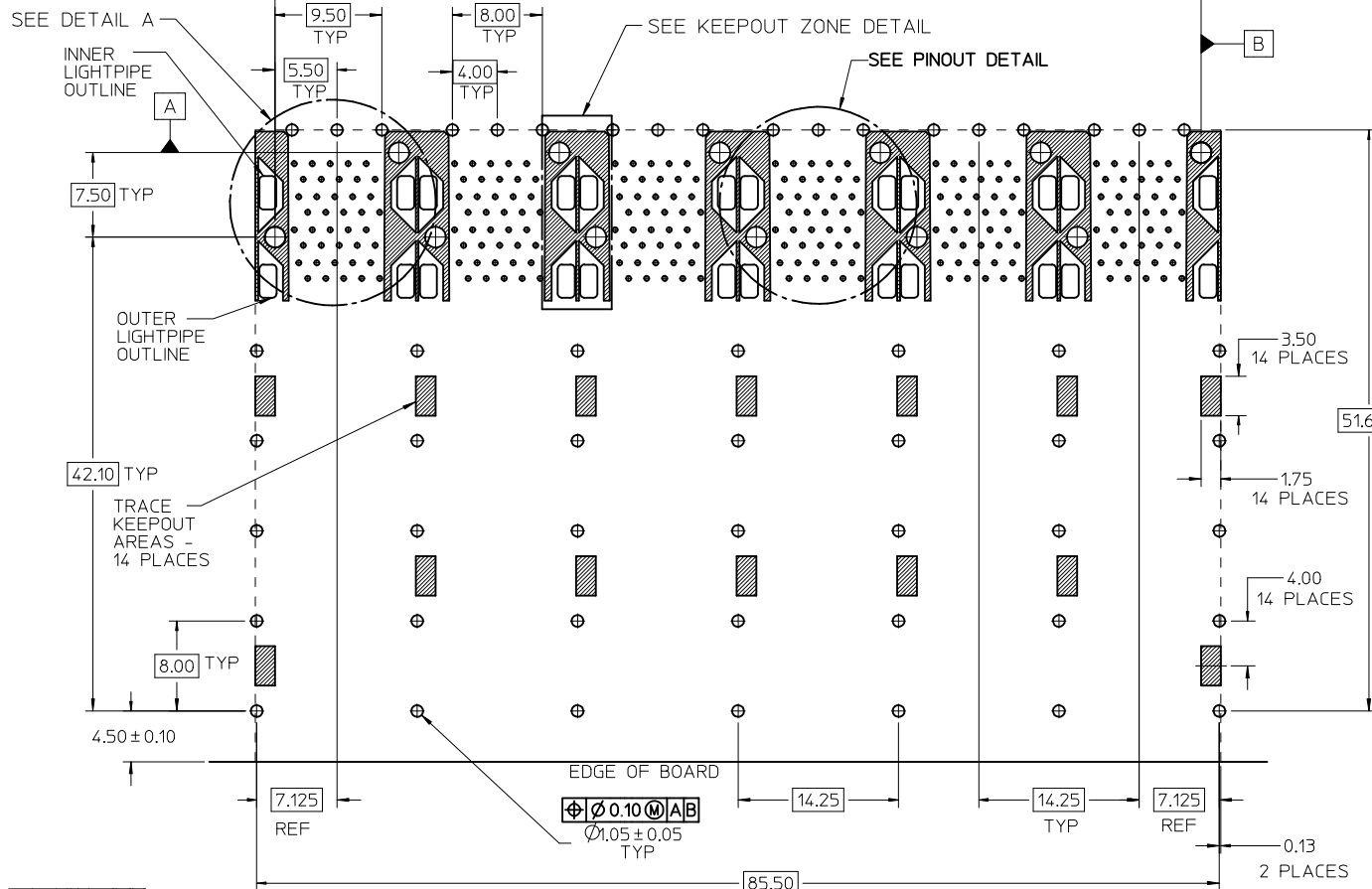
10.00MM AREA SETBACK IN CAGE IS TO BE FREE
OF ANY HOLES, DIMPLES, SEAMS OR ANY OTHER
FEATURE. (4 SIDES PER PORT)



SEE SHEET 1	EC NO: UCP2009-1582	DRWN:MS BARA 2009/01/07	CHKD:BBARKER 2009/01/09	APPR:SMILLER 2009/01/12	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
							mm	INCH	DRAWN BY MSANDBERG	DATE 09/28/2006	TITLE STACKED SFP+ 2X6 ASSY WITH METAL EMI GASKET AND LIGHTPIPES				
	4 PLACES ± --- ± ---						CHECKED BY JLONG	DATE 09/28/2006							
	3 PLACES ± --- ± ---						APPROVED BY KREGNIER	DATE 09/28/2006	MOLEX MOLEX INCORPORATED						
	2 PLACES ± 0.13 ± ---						MATERIAL NO.			DOCUMENT NO.		SHEET NO.			
1 PLACE ± 0.25 ± ---				ANGULAR ± 5 °		SEE TABLE		SD-76048-001	2 OF 4						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

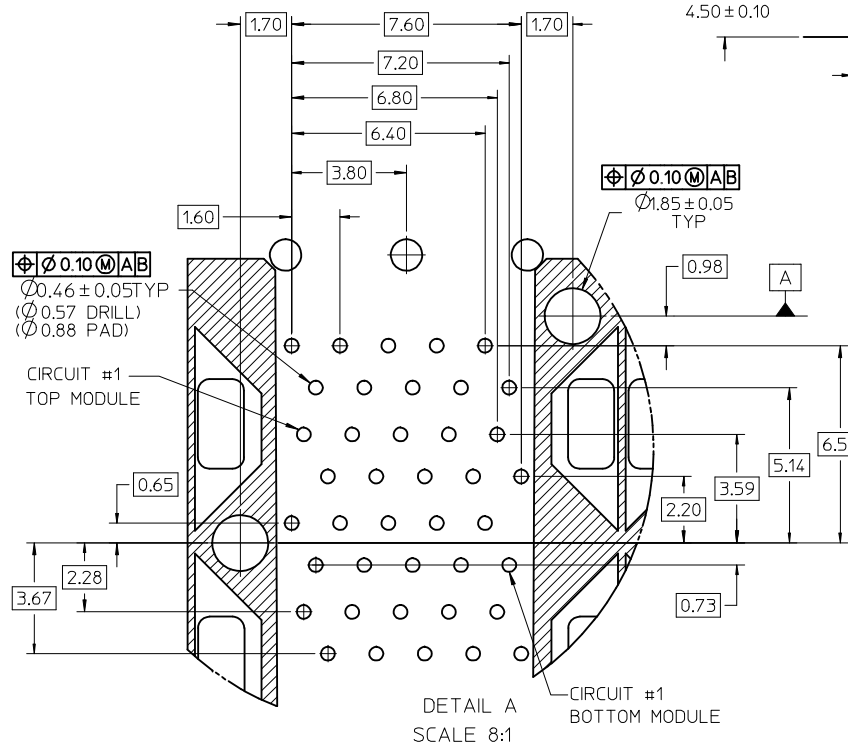


CONNECTOR PIN-OUT DETAIL
COMPONENT SIDE OF BOARD



RECOMMENDED PCB LAYOUT - COMPONENT SIDE
RECOMMENDED PCB THICKNESS - 2.63 MM (.093 INCH)

THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
(OTHER THAN LIGHT PIPE LED'S)
THIS AREA IS INDICATED BY THE DASHED LINE



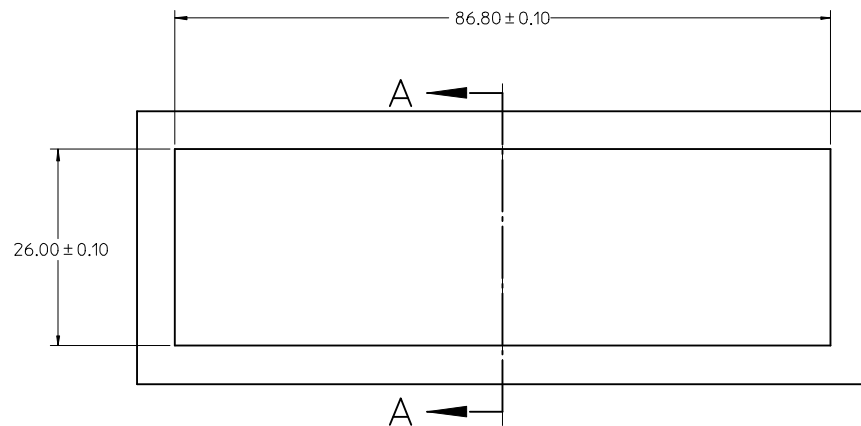
REV	DESCRIPTION
1	ADD KEEP OUT ZONES
2	EC NO: UCP2009-1582
3	DRWN:MSBARRA 2009/01/07
4	CHKD:BBARKER 2009/01/09
5	APPR:SMILLER 2009/01/12

QUALITY SYMBOLS
▽=0
▽=0

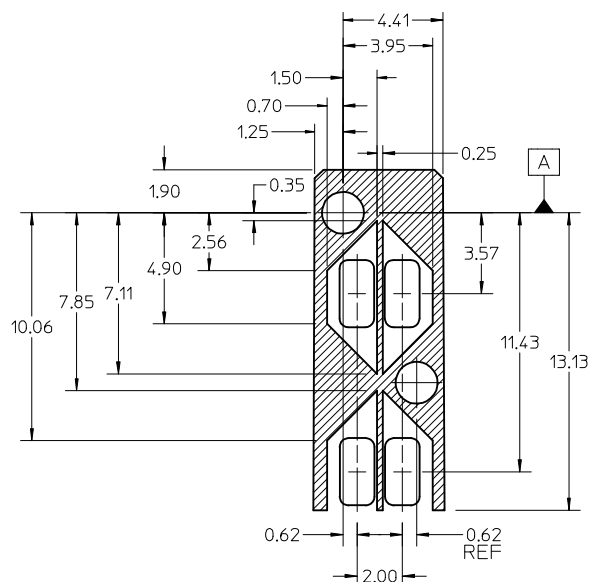
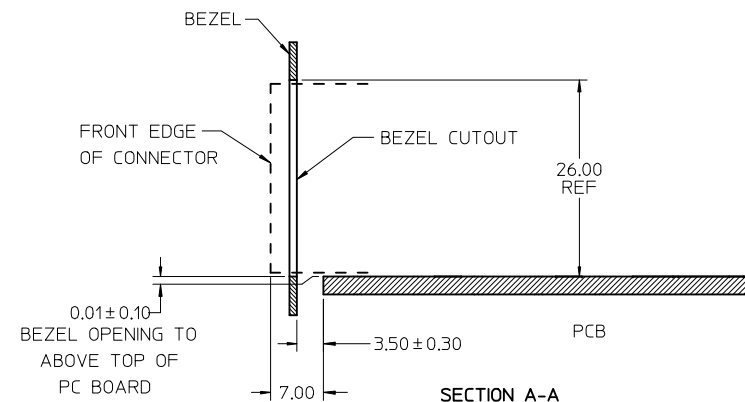
GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± 0.13	± ---
1 PLACE ± 0.25	± ---
ANGULAR ± 5 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
MSANDBERG	09/28/2006
CHECKED BY	DATE
JLONG	09/28/2006
APPROVED BY	DATE
KREGNIER	09/28/2006
MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
3:1	METRIC	
TITLE		
STACKED SFP+ 2X6 ASSY WITH METAL EMI GASKET AND LIGHTPIPES		
MOLEX MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-76048-001		3 OF 4



BEZEL CUTOUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8 - 2.6



DETAIL - LIGHTPIPE LOCATION AND OTHER ZONES
SCALE 6:1

THE HATCHED AREA IN THIS VIEW INDICATES ZONES THAT ARE OCCUPIED BY THE PLASTIC HOUSING THAT SEATS AGAINST THE PCB AND BY THE VERTICAL METAL CAGE WALL THAT STOPS JUST SHORT OF THE PCB

SEE SHEET 1
EC NO: UCP2009-1582
DRAWN: MSIBARRA 2009/01/07
CHKD: BBARKER 2009/01/09
APPR: SMILLER 2009/01/12

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
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2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---

ANGULAR ± 5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
MSANDBERG	09/28/2006

CHECKED BY	DATE
JLONG	09/28/2006

APPROVED BY	DATE
KREGNIER	09/28/2006

MATERIAL NO.

SIZE C

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
2:1	METRIC	

TITLE

STACKED SFP+ 2X6 ASSY WITH METAL EMI GASKET AND LIGHTPIPES

MOLEX INCORPORATED

DOCUMENT NO. SD-76048-001

SHEET NO. 4 OF 4

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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
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JONHON

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«FORSTAR» (основан в 1998 г.)

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кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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